

# ELECTRONICS FACILITIES IN CUBA

## ANNEX 1B

### CARRIER FACILITIES AND TOLL CIRCUITS OF THE CUBAN TELEPHONE COMPANY

CIA/RR EP60-73-S1B

November 1960

CENTRAL INTELLIGENCE AGENCY

OFFICE OF RESEARCH AND REPORTS

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Carrier Facilities as of 4 October 1960

Toll Circuit Layout (1957-60 Construction  
Program)

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*For a diagram of the basic network, see Figure 1 of CIA/RR EP 60-73*

CARRIER TERMINALS				CARRIER REPEATERS		MISCELLANEOUS		EDICION. 5-20-57
SYMBOL	MFR	LINE FREQ. KILOCYCLES	TYPE	SYMBOL	MEANING	SYMBOL	DESCRIPTION	
	PANTANGLE	50-335	STACKABLE UP TO TEN SINGLE CHANNELS.		FTR 3PI SINGLE CHANNEL		L.D. TELEPHONE	
	FTR	3.5-10	321 SINGLE CHANNEL		WE "C" 3 CHANNELS		PARTY LINE	
	FTR	3.6-12.4	342-1 " " "		FTR 981 3 CHANNELS		CUT IN STATION	
	FTR	13.6-22.9	342-2 " " "		LENKUET 32E 3 CHANNELS		PHYSICAL EQUIPPED WITH 75, 76, 77 OR 93A COIL.	
	FTR	13.6-21.1	341 " " "		CTC 30J 12 CHANNELS		PHANTOM GROUP 5W 75, 76 OR 93 COILS ON SIDE CIRCUIT NO COIL ON PHANTOM CIRCUIT.	
	WE.	4.15-10.15			LENKUET 45A 12 CHANNELS		PHANTOM GROUP 5W 75, 76 OR 93 COILS ON SIDE CIRCUIT 93B OR 93C COIL ON PHANTOM.	
	FTR	6-30	381 3 CHANNEL		LENKUET 45BN 42 CHANNELS		TBA REF COIL	
	WE.	6-30	"C" 3 CHANNEL		WE. 08 4 CHANNELS		VOICE REPEATER HYBRID TYPE SERIES 02 HYBRID TYPE	
	LENKUET	6-30	32E 3 CHANNEL		LENKUET 45CB 4 CHANNELS		PROGRAM AMPLIFIER	
	LENKUET	3.3-35	32E 4 CHANNEL		LENKUET 45CC 4 CHANNELS		COMPOSITE SET ON SIDE OCT	
							SUGAR MILL	
	CTC	36-140	30J 12 CHANNELS	LINE FILTERS			RADIO LINK	
	LENKUET	40-150	45A 12 CHANNEL THREE GROUPS OF FOUR CHANNELS		PANTANGLE LINE FILTER		OUTGOING DIAL TRUNK	
	LENKUET	40-264	45BN 24 CHANNELS IN SIX GROUPS OF FOUR CHANNELS.		3KC. FILTER			
	LENKUET	40-150	45A 12 CHANNEL BASE GROUP EQUIPMENT.		5 KC. 902A FILTER			
	LENKUET	40-264	45BN 24 CHANNEL BASE GROUP EQUIPMENT.		WE 121 5 KC. FILTER			
					37C. 30J HF FILTER			
					LENKUET HF FILTER ALSO TYPE O FILTER			
	WE.	40-76	WE 08 4 CHANNEL		BRIDGE FILTER.			
	LENKUET	40-76	45CB 4 CHANNEL		10 KC. FILTER (FTR 964A)			
	LENKUET	80-116	45CC 4 CHANNEL					
					08/45 CB. LINE FILTER			
					45 CC. LINE FILTER.			
	LENKUET	THIS SYMBOL INDICATES THAT THE CHANNELS ARE DROPPED TO VOICE FREQUENCY WHEN ASSOCIATED WITH 45 TYPE EQUIPMENT.						
			V.F. TELEVISION TERMINAL. NUMBER INDICATES NO. CHANNEL.					

CUBAN TELEPHONE COMPANY DEPARTAMENTO DE INGENIERIA	
TOLL CIRCUIT LAYOUT MAPS	
SYMBOLS	
 DISEÑADO: R. S. GARCIA REVISADO: R. S. GARCIA FECHA: 5-20-57	310.022

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CUBAN TELEPHONE CO.  
CARRIER FACILITIES AS OF OCTOBER 4/1960

FROM CENTRAL OFFICE	TO CENTRAL OFFICE	ONE CHANNEL CARRIER		THREE CHANNEL CARRIER		FOUR CHANNEL CARRIER		SEVEN CHANNEL CARRIER		TWELVE CHANNEL CARRIER			
		TYPE	QUANTITY	TYPE	QUANTITY	TYPE	QUANTITY	TYPE	QUANTITY	TYPE	QUANTITY		
29) STGO. CUBA	PALMA SONIANO	FTR 9A1	2										
" "	" "	FTR 9H2	1										
30) " "	SAN LUIS (O)	WEIR H-1	1										
" "	" "	FTR 9F1	1										
31) " "	V. TUNAS	FTR 9F1	1										
32) " "	CAMAGUEY	WE. H-1	1	FTR 9B1	3								
33) " "	HOLGUIN	-	-	FTR 9B1	3								
34) " "	MANZANILLO	-	-	FTR 9B1	3					Mix & Gen. Z12 F	9		
35) " "	PALMA SONIANO	FM PAN H.	4							Mix & Gen. Z12 F	4		
36) " "	GIBARA	WE H-1	1										
37) " "	ANTILLA	-	-										
38) " "	STA. CLARA												
39) STA. C. AMA	SAGUA GRANDE	FTR 9A1	1										
40) " "	ST. SPIRITOS	FTR 9A1	2										
41) " "	TRINIDAD	WE. H-1	1										
" "	" "	FTR 9H2	1										
42) " "	CAIBARIEN	FM PAN H.	6										
43) " "	PLACETAS	FM PAN H.	6										
44) " "	CAMAJUARI	FTR 9F1	1										
45) " "	CIENTOFUEGOS	FTR 9H2	1										
46) " "													
47) MATANZAS	JOVELLANOS	FTR 9A1	1										
48) " "	" "	FM PAN H.	1										
49) CIENTOFUEGOS	CRUCES	FM PAN H.	1										
50) " "	RANCHFIELD	FM PAN H.	1										
51) " "	MANCABAGUA	FM PAN H.	2										
52) " "	STO. DOMINGO	FTR 9H2	2										
53) " "													
54) HOLGUIN	PUERTO PADRE	FTR 9H2	1										
55) CIEGO AVILA	MORON	FTR 9A1	2										
" "	" "	FM PAN H.	12										
56) CARDENAS	COLON	FTR 9H2	1										
57) " "	VARADERO	FM PAN H.	4										
58) STI SPIRITOS	PLACETAS	FM PAN H.	2										
59) GUANTANAMO	BARACOA	FTR 9A1	1										
" "	" "	FM PAN H.											
60) " "	CAIMANERA	FTR 9A1											

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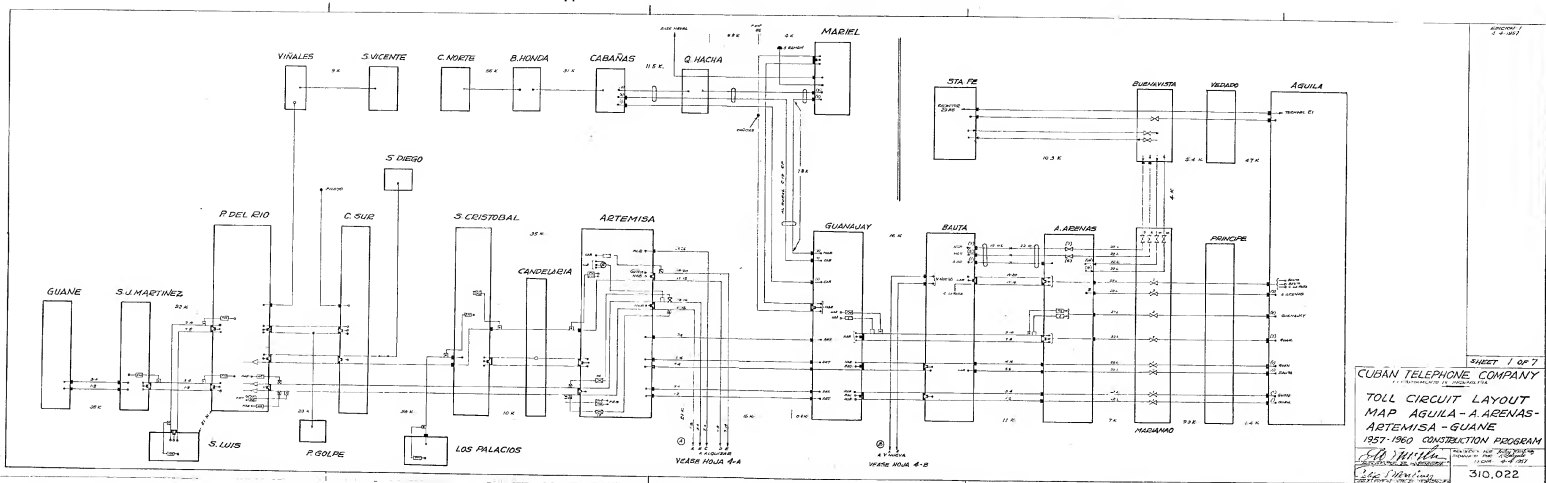
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		TYPE	QUANTITY	TYPE	QUANTITY	TYPE	QUANTITY	TYPE	QUANTITY	TYPE	QUANTITY		
78) ARTEMISA	STGO. VEGAS	FTR-9A1	1										
79) "	SANCRISTOBAL	FM PAN H	2										
80) BAYAMO	MANZANILLO	FTR 9H2	1							MIX 4 Gen ZIF	2		
81) "	PALMA SORIANO	FTR 9H2	1										
82) CAIBARIEN	PLACETAS	LYNCH B28	3										
83) "	REMEDIOS	FM PAN H	2										
84) "	YAGUAJAY	LYNCH B28	2										
85) COLON	AGUADA P.	FTR-9H2	1										
86) "	COTORRO	W. Electric H-1	1										
87) PLACETAS	CAMAJUANI	FM PAN H.	3										
88) "	FOMENTO	FM PAN H.	2										
89) "	TRINIDAD	FM PAN H.	1										
90) "	YAGUAJAY	FM PAN H.	3										
91) S. ANTONIO B.	VEREDA NUEVA	FM PAN H.	6										
92) A. ARENAS	GUANAJAY	FTR-9H2	1										
93) COTORRO	SAN JOSE	FM PAN H.	3										
94) GUANABO	AGUILA	FM PAN H.	10										
95) SANCRISTOBAL	LOS PALACIOS	FM PAN H.	1										
96) IGUARA	YAGUAJAY	FM PAN H	1										
97) MAYAKI	S. TANAMO	LYNCH B28	2										
98) TRINIDAD	FOMENTO	FM PAN H.	1										
TOTALS FTR CHANNELS			35		33		-		-		-		
TOTALS W. ELECTRIC CHANNELS			8		-		-		-		-		
TOTALS LYNCH CHANNELS			9		-		12		-		-		
TOTALS FM PANHANDLE CH.			91		-		-		-		-		
TOTALS R. ENG. PRODUCTS CH.			-		9		-		-		-		
TOTALS OTHERS CHANNELS			-		-		-		-		36		
TOTALS MIX 4 GENES			-		-		-		-		144		
GRAND TOTAL CHANNELS			143		48		12		7		180		F.E.

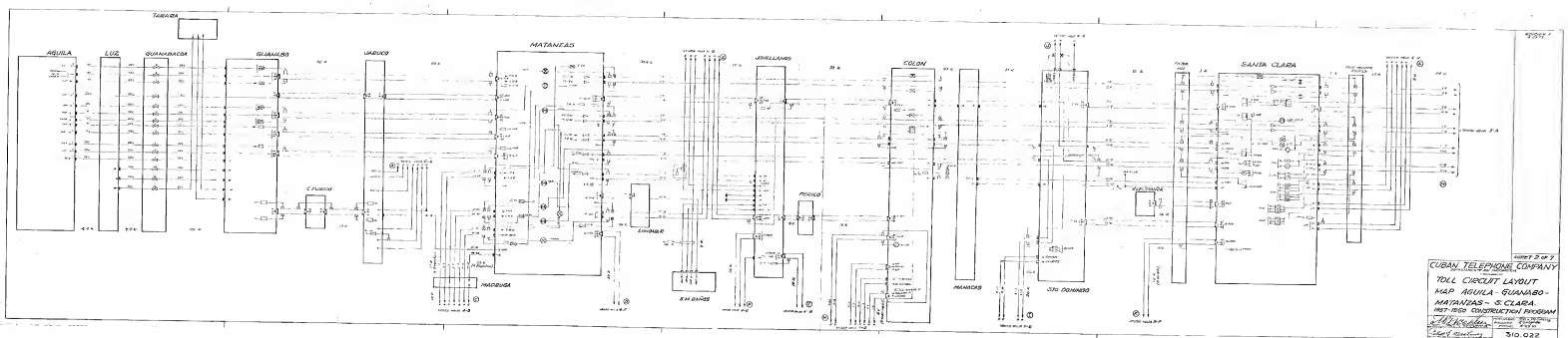
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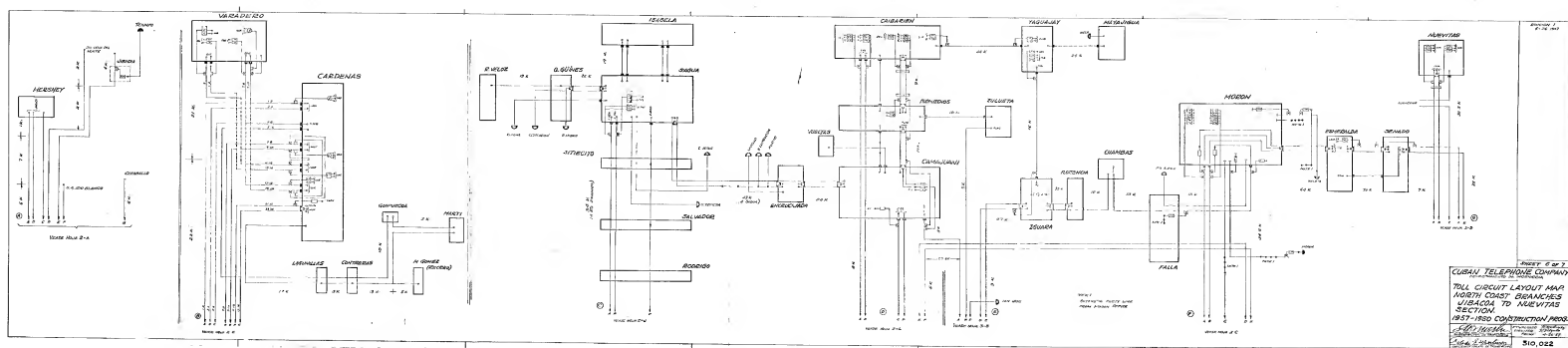


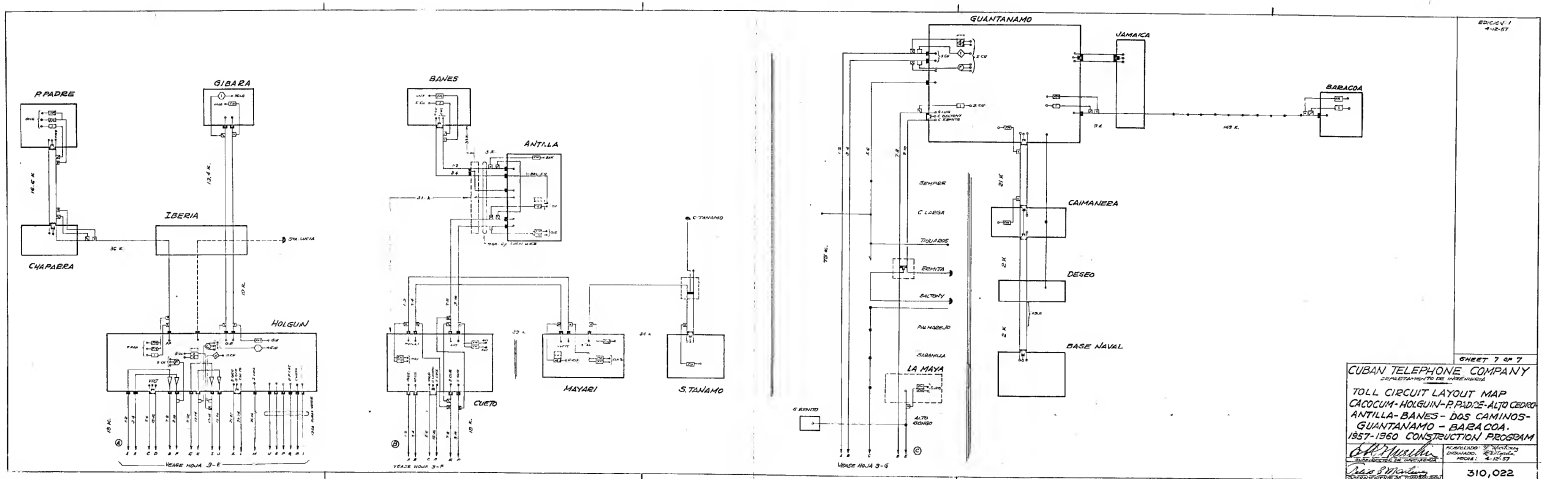




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